



PATENT
Docket No. 56286US003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	PARTHASARATHY et al.)	Group Art Unit:	1751
)		
Serial No.:	09/841,264)	Examiner:	Unknown
Confirmation No.:	5359)		
)		
Filed:	24 April 2001)		
)		
For:	BIOLOGICAL SAMPLE PROCESSING METHODS AND COMPOSITIONS THAT INCLUDE SURFACTANTS			

DOCUMENTS ACCOMPANYING
INFORMATION DISCLOSURE STATEMENT
FILED 28 FEBRUARY 2002



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Serial No.: 09/841,264)
Confirmation No.: 5359) Examiner: Unknown
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For: BIOLOGICAL SAMPLE PROCESSING METHODS AND COMPOSITIONS
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INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington D.C. 20231

Sir:

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with C.F.R. §§ 1.97 *et. seq.*, the materials enclosed herewith are brought to the attention of the Examiner as possibly being of interest in connection with the above-identified patent application. Consideration of each of the documents listed on the attached 1449 forms is respectfully requested. Pursuant to the provisions of M.P.E.P. §609, Applicants further request that a copy of the 1449 forms, marked as being considered and initialed by the Examiner, be returned with the next Official Communication.

Applicants also wish to bring the Examiner's attention to the following pending U.S. Applications, as well as any prior art and any provisional U.S. patent applications referenced therein. A copy of each of the below-listed pending U.S. Patent Applications is provided herewith.

Information Disclosure Statement

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SURFACTANTS

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List of Pending Non-Published U.S. Patent Applications

Applicant(s)	Application Number	Filing Date	Serial No. of Provisional Application to which listed Application claims priority
Unknown	09/710,184	11/10/00	
Unknown	60/284,637	04/18/01	
Parthasarathy et al.	09/841,272	04/24/01	
Bedingham et al.	09/894,810	06/28/01	60/214,508 60/214,642 60/237,151 60/260,063 60/284,637
Harms et al.	09/895,001	06/28/01	60/214,508
Bedingham et al.	09/895,010	06/28/01	60/214,508
Pathasarathy et al.	10/027,222	12/20/01	
Pathasarathy et al.	10/027,226	12/20/01	

It is believed that no fee is due, as this Information Disclosure Statement is filed prior to the receipt of any Action on the merits. However, in the event a fee is due, please charge any fee or credit any overpayment to Account No. 13-4895.

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The Examiner is invited to contact Applicants' Representatives at the below-listed telephone number, if they can be of any assistance during prosecution of the present application.

Respectfully submitted for

PARTHASASRATHY et al.

By

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PATENT TRADE MARK OFFICE

By: 

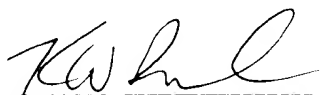
Kevin W. Raasch

Reg. No. 35,651

Direct Dial (612)305-1218

CERTIFICATE UNDER 37 C.F.R. 1.8:

The undersigned hereby certifies that this paper is being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on this 28th day of February, 2002.



Kevin W. Raasch

February 28, 2001

Date

**INFORMATION
DISCLOSURE
STATEMENT**

Atty. Docket No.: 56286US003

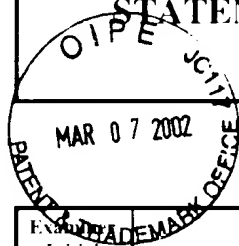
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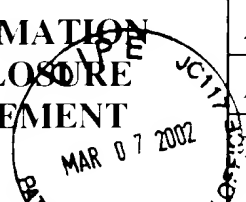
Group: 1751


U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	4,683,195	07/28/87	Mullis et al.			
	4,683,202	07/28/87	Mullis			
	4,889,818	12/26/89	Gelfand et al.			
	4,951,188	08/21/90	Peter et al.			
	4,965,188	10/23/90	Mullis et al.			
	5,079,352	01/07/92	Gelfand et al.			
	5,198,353	03/30/93	Hawkins et al.			
	5,310,652	05/10/94	Gelfand et al.			
	5,338,671	08/16/94	Scalice et al.			
	5,352,600	10/04/94	Gelfand et al.			
	5,374,553	12/20/94	Gelfand et al.			
	5,405,774	04/11/95	Abramson et al.			
	5,407,800	04/18/95	Gelfand et al.			
	5,455,170	10/03/95	Abramson et al.			
	5,466,591	11/14/95	Abramson et al.			
	5,561,058	10/01/96	Gelfand et al.			
	5,587,287	12/24/96	Scalice			
	5,618,703	04/08/97	Gelfand et al.			
	5,618,711	04/08/97	Gelfand et al.			
	5,641,864	06/24/97	Gelfand			
	5,642,833	07/01/97	Ring			
	5,674,738	10/07/97	Abramson et al.			
	5,693,517	12/02/97	Gelfand et al.			
	5,705,345	01/06/98	Lundin et al.			

EXAMINER
Date Considered

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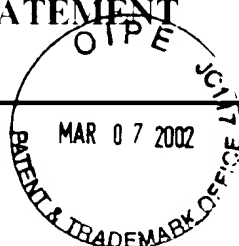
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	5,721,123	02/24/98	Hayes et al.			
	5,789,224	08/04/98	Gelfand et al.			
	5,795,762	08/18/98	Abramson et al.			
	5,858,948	01/12/99	Ghosh et al.			
	5,861,295	01/19/99	Goldstein et al.			
	5,888,723	03/30/99	Sutton et al.			
	6,015,781	01/18/00	Vinson et al.			
	6,040,166	03/21/00	Erlich et al.			
	6,045,727	04/04/00	Akhavan-Tafti et al.			
	6,127,155	10/03/00	Gelfand et al.			
	6,242,235 B1	06/05/01	Shultz et al.			
	2001/0024793 A1	09/27/01	Goldstein et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	EP 624 641 B1	11/17/94	EPO				
	EP 776 970 A1	06/04/97	EPO				
	WO 89/06691 A2	07/27/89	WIPO				
	WO 89/06691 A3	07/27/89	WIPO				
	WO 92/16659 A1	10/01/92	WIPO				
	WO 96/41864 A1	12/27/96	WIPO				
	WO 99/51284 A2	10/14/99	WIPO				
	WO 99/51284 A3	10/14/99	WIPO				
	WO 99/67371 A1	12/29/99	WIPO				

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OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

Examiner Initial	Document Description
	<p>✓ "14TH International Symposium on Microscale Separations and Analysis," California Separation Science Society, Boston Marriott Copley Place, Boston, MA; January 13-18, 2001 [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.casss.org/hpce2001/>, 13 pgs.</p>
	<p>✗ Almaraz, "Micro-Scale Capillary Electrophoresis," presented at the Mchip-based Analysis A session, 14TH International Symposium on Microscale Separations and Analysis, Boston Marriott Copley Place, Boston, MA, page 1 of 3, abstract, [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.inmerge.com/ASPFolder/HPCE2001.Results.asp>; and page 1 of 1, symposium cover sheet (January 13-18, 2001) [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.casss.org/hpce2001/>.</p>
	<p>✓ Barta et al., "New Advances in Sample Preparation in Integrated Microfabricated Device Technology," presented at the Mchip-based Analysis A session, 14TH International Symposium on Microscale Separations and Analysis, Boston Marriott Copley Place, Boston, MA, page 1 of 3, abstract [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: http://www.inmerge.com/SAPFolder/HPCE2001Results.asp?title=&author=&SessionType=No+Preference&SessCode=P03&institute=>; and page 1 of 1, symposium cover sheet (January 13-18, 2001) [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.casss.org/hpce2001/>.</p>
	<p>✓ Crabtree et al., "Microchip Injection and Separation Anomalies Due to Pressure Effects," presented at the Mchip-based Analysis A session, 14TH International Symposium on Microscale Separations and Analysis, Boston Marriott Copley Place, Boston, MA, pages 2-3 of 3, abstract [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.inmerge.com/ASPFolder/HPCE2001.Results.asp>; and page 1 of 1, symposium cover sheet (January 13-18, 2001) [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.casss.org/hpce2001/>.</p>

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Examiner Initial	Document Description
	Chen et al., "Plastic Microchip Electrophoresis for Genetic Screening-The Analysis of PCR Products of Fragile X(CGG)N Alleles," presented at the Mchip-based Analysis A session, 14 TH International Symposium on Microscale Separations and Analysis, Boston Marriott Copley Place, Boston, MA, pages 2-3 of 3, abstract [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.inmerge.com/ASPFolder/HPCE2001.Results.asp>; and page 1 of 1, symposium cover sheet (January 13-18, 2001) [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.casss.org/hpce2001/>.
	^ Dunsmoor et al., "Acousto-Optical Tunable Filter for Multicolor Detection of DNA Fragments on an Electrophoresis Microchip for Forensic Identification," presented at the Mchip-based Analysis A session, 14 TH International Symposium on Microscale Separations and Analysis, Boston Marriott Copley Place, Boston, MA, pages 1-2 of 3, abstract [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.inmerge.com/ASPFolder/HPCE2001.Results.asp>; and page 1 of 1, symposium cover sheet (January 13-18, 2001) [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.casss.org/hpce2001/>.
	^ Giordano et al., "Infrared-Mediated Thermocycling Coupled to Microchip Electrophoresis: A Rapid DNA Amplification and Separation System," presented at the Mchip-based Analysis A session, 14 TH International Symposium on Microscale Separations and Analysis, Boston Marriott Copley Place, Boston, MA, page 2 of 3, abstract [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: http://www.inmerge.com/SAPFolder/HPCE2001Results.asp?title=&author=&SessionType=No+Preference&SessCode=P03&institute>; and page 1 of 1, symposium cover sheet (January 13-18, 2001) [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.casss.org/hpce2001/>.
	^ Hibara et al., "Interface Microchip For Ultrasensitive Thermal Lens Detection of Capillary Electrophoresis," presented at the Mchip-based Analysis A session, 14 TH International Symposium on Microscale Separations and Analysis, Boston Marriott Copley Place, Boston, MA, page 1 of 3, abstract [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.inmerge.com/ASPFolder/HPCE2001.Results.asp>; and page 1 of 1, symposium cover sheet (January 13-18, 2001) [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.casss.org/hpce2001/>.

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	<p>Jin et al., "A Simple Method for Laser-Induced Fluorescence (LIF) Detection of SDS-Protein Complexes on Microchips Without Covalent Derivatization," presented at the Mchip-based Analysis A session, 14TH International Symposium on Microscale Separations and Analysis, Boston Marriott Copley Place, Boston, MA, page 2 of 3, abstract [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.inmerge.com/ASPFolder/HPCE2001.Results.asp>; and page 1 of 1, symposium cover sheet (January 13-18, 2001) [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.casss.org/hpce2001/>.</p>
	<p>~ Jin et al., "Post-Column Reaction and Chemiluminescence Detection of Microfabricated Chips and Chip-Based Immunoassay," presented at the Mchip-based Analysis A session, 14TH International Symposium on Microscale Separations and Analysis, Boston Marriott Copley Place, Boston, MA, pages 1-2 of 3, abstract [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: http://www.inmerge.com/SAPFolder/HPCE2001Results.asp?title=&author=&SessType=No+Preference&SessCode=P03&institute=>; and page 1 of 1, symposium cover sheet (January 13-18, 2001) [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.casss.org/hpce2001/>.</p>
	<p>~ Kim et al., "Microfabrication of polydimethylsiloxane electrospray ionization emitters," <i>Journal of Chromatography A</i>, 2001, Vol. 924, pgs. 137-145.</p>
	<p>~ Neill et al., "On-Chip Definition of Picolitre Sample Injection Plugs for Miniaturised Liquid Chromatography," presented at the Mchip-based Analysis A session, 14TH International Symposium on Microscale Separations and Analysis, Boston Marriott Copley Place, Boston, MA, page 3 of 3, abstract [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.inmerge.com/ASPFolder/HPCE2001.Results.asp>; and page 1 of 1, symposium cover sheet (January 13-18, 2001) [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.casss.org/hpce2001/>.</p>

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	<p>✓ Petersen et al., "A Microfabricated Separation Chip with Integrated Waveguidelines for In-Plane Optical Detection," presented at the Mchip-based Analysis A session, 14TH International Symposium on Microscale Separations and Analysis, Boston Marriott Copley Place, Boston, MA, pages 1-2 of 3, abstract [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.inmerge.com/ASPFolder/HPCE2001.Results.asp>; and page 1 of 1, symposium cover sheet (January 13-18, 2001) [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.casss.org/hpce2001/>.</p>
	<p>✓ Sambrook, <i>Molecular Cloning A Laboratory Manual</i>, Cold Spring Harbor, New York, 1989; cover page, title page, and table of contents: 30 pgs.</p>
	<p>✓ Sanders et al., "Isoelectric Focusing of Proteins Using Acousto-Optical Deflection Scanning and LIF Detection," presented at the Mchip-based Analysis A session, 14TH International Symposium on Microscale Separations and Analysis, Boston Marriott Copley Place, Boston, MA, page 3 of 3, abstract [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: http://www.inmerge.com/SAPFolder/HPCE2001Results.asp?title=&author=&SessType=No+Preference&SessCode=P03&institute=>; and page 1 of 1, symposium cover sheet (January 13-18, 2001) [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.casss.org/hpce2001/>.</p>
	<p>✓ Slyadnev et al., "Ultrafast Temperature Control in a Microchannel by Laser-Induced Photothermal Effect," presented at the Mchip-based Analysis A session, 14TH International Symposium on Microscale Separations and Analysis, Boston Marriott Copley Place, Boston, MA, page 3 of 3, abstract [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.inmerge.com/ASPFolder/HPCE2001.Results.asp>; and page 1 of 1, symposium cover sheet (January 13-18, 2001) [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.casss.org/hpce2001/>.</p>
	<p>✓ Strein et al., "Recent Advances with Electrochemical Detection for Microfabricated Chips," presented at the Mchip-based Analysis A session, 14TH International Symposium on Microscale Separations and Analysis, Boston Marriott Copley Place, Boston, MA, page 1 of 3, abstract [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.inmerge.com/ASPFolder/HPCE2001.Results.asp>; and page 1 of 1, symposium cover sheet (January 13-18, 2001) [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.casss.org/hpce2001/>.</p>

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	Surmeian et al., "Formation of Liquid Membrane in Flowing Micro Channel for Study on Molecular Transport," presented at the Mchip-based Analysis A session, 14 TH International Symposium on Microscale Separations and Analysis, Boston Marriott Copley Place, Boston, MA, pages 1-2 of 3, abstract [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.inmerge.com/ASPFolder/HPCE2001.Results.asp >; and page 1 of 1, symposium cover sheet (January 13-18, 2001) [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.casss.org/hpce2001/ >.
	Wakida et al., "High Throughput Characterization of Organic Pollutants in Waters Using CE-Chip," presented at the Mchip-based Analysis A session, 14 TH International Symposium on Microscale Separations and Analysis, Boston Marriott Copley Place, Boston, MA, page 2 of 3, abstract [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.inmerge.com/ASPFolder/HPCE2001.Results.asp >; and page 1 of 1, symposium cover sheet (January 13-18, 2001) [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.casss.org/hpce2001/ >.
	Wolfe et al., "Exploring DNA Extraction in a Microminaturized Platform," presented at the Mchip-based Analysis A session, 14 TH International Symposium on Microscale Separations and Analysis, Boston Marriott Copley Place, Boston, MA, pages 2-3 of 3, abstract [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: http://www.inmerge.com/SAPFolder/HPCE2001Results.asp?title=&author=&SessionType=No+Preference&SessCode=P03&institute= >; and page 1 of 1, symposium cover sheet (January 13-18, 2001) [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.casss.org/hpce2001/ >.
	Zhang, "Novel Injectors for Capillary Electrophoresis on Microchips," presented at the Mchip-based Analysis A session, 14 TH International Symposium on Microscale Separations and Analysis, Boston Marriott Copley Place, Boston, MA, page 1 of 3, abstract [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.inmerge.com/ASPFolder/HPCE2001.Results.asp >; and page 1 of 1, symposium cover sheet (January 13-18, 2001) [online] [retrieved on 2001-04-03]; Retrieved from the Internet: <URL: www.casss.org/hpce2001/ >.

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